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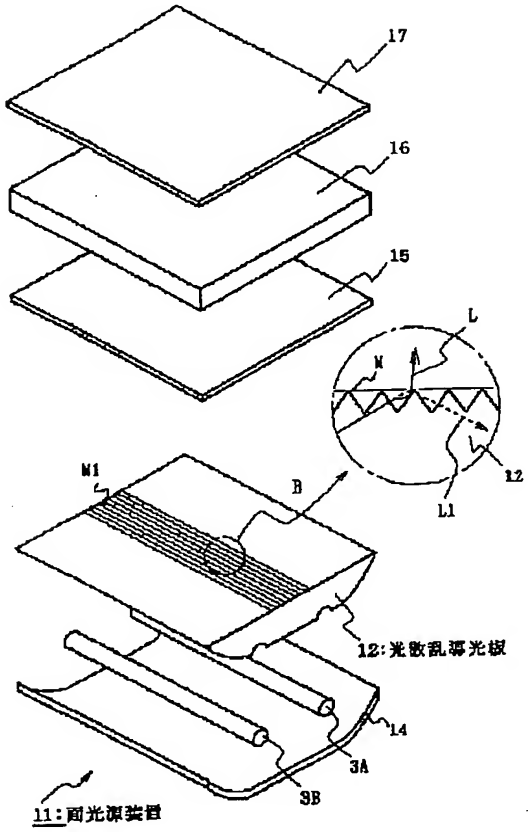
TITLE : SURFACE LIGHT SOURCE DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To decrease the total thickness of a surface light source device and to reduce unnatural nonuniform luminance of the emitted light by forming a light transmitting plate wherein fine particles are dispersed and incorporated and promoting the emission of an illuminating light by the light quantity correcting face formed on a part or the whole of the emitting face except the part directly above the light source.

SOLUTION: A light scattering and transmitting plate 12 is formed by injection-molding a specified resin, and a resin wherein illuminating light diffusing particles are dispersed and incorporated in a matrix consisting of polymethyl methacrylate, for example, is appropriately used. This fine particle is a light transmitting fine particle (silicone-resin fine particle) having a refractive index different from that of the matrix. Further, a light quantity correcting face M1 promoting the emission of an illuminating light is formed on the light scattering and transmitting plate 12 at almost the central part between fluorescent lamps 3A and 3B except the part directly above the lamps 3A and 3B. The correcting face M1 is formed by repeating the same repeating shape having a slope orthogonal to the extending direction of the lamps 3A and 3B.

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(54)【発明の名称】　面光源装置

(57)【要約】
【課題】液晶表示装置等に適用される面光源装置に関し、全体を薄型化し、かつ出射光の不自然な輝度ムラを有効に回避する。
【解決手段】微粒子を分散混入して導光板１２を形成すると共に、光源３Ａ、３Ｂの真上を除いた出射面の一部又は全部に形成した光量補正面Ｍ１により照明光の出射を促す。